

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

ROSE PLANT NAMED

'POULHT002'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

*Rosa hybrida*

VARIETY DENOMINATION

'POULht002'

The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between the female seed parent 'POULduce', originally described and illustrated in U.S. Plant Patent Application No. 09/277,239 dated March 26, now abandoned, and the male pollen parent, an un-named seedling. The two parents were crossed during the summer of 1993 and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new variety is named 'POULht002'.

The new variety may be distinguished from its seed parent, 'POULduce' by the following combination of characteristics:

1. While flowers of the seed parent have a general tonality of Yellow Group 3C-4D, flowers of 'Poulht002' have a general tonality of White Group 155A with intonations of Yellow Group 5A and Red Group 53B to 53C.
2. While the seed parent 'POULduce' has a flower

petal count of 50-65 petals, 'POULht002' has 40 petals.

The new variety may be distinguished from its pollen parent by the following combination of characteristics:

1. While the pollen parent has strong pink and orange flowers, flowers of 'POULht002' are a blend of apricot and other light pink hues.
2. 'POULht002' is more disease resistant than the pollen parent.

The objective of the hybridization of this rose variety was to create a new and distinct variety for garden use with unique qualities, such as:

1. Uniform and abundant apricot pink blended flowers;
2. Vigorous, growth;
3. Disease resistance;
4. Exceptional rose fragrance.

This combination of qualities is not present in previously available commercial cultivars of this type, known to the inventors, and distinguish 'POULht002' from all other varieties of which we are aware.

As part of their rose development program, L. Pernille Olesen and Mogens N. Olesen germinated the seeds from the aforementioned hybridization during winter of 1993 and conducted evaluations on the resulting seedlings in a

controlled environment in Fredensborg, Denmark.

'POULht002' was selected in the spring 1994 by the inventors as a single plant from the progeny of the aforementioned hybridization.

5           Asexual reproduction of 'POULht002' by traditional budding and rooted cuttings was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, Denmark in July, 1994. This initial and other subsequent asexual propagations conducted in controlled environments  
10          have demonstrated that the characteristics of 'POULht002' are true to type and are transmitted from one generation to the next.

#### BRIEF DESCRIPTION OF THE DRAWING

15           The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds, flowers, leaves, and stems, of 'POULht002'.

20           Specifically illustrated in Figure 1:

- |          |   |
|----------|---|
| Fig 1.1; | Open flower, stem showing open<br>flower, branching, and the<br>attachment of leaves and peduncles; |
| Fig 1.2; | Flower bud as sepals unfold, and<br>partially open;   |

Specifically illustrated in Figure 2:

- Fig 2.1; Flower petals, detached;
- Fig 2.2; Sepals, receptacle, and peduncle;
- Fig 2.3; Juvenile leaves;
- Fig 2.4; Mature leaf;
- Fig 2.5; Juvenile growth exhibiting anthocyanin;
- Fig 2.6; Section of bare stem exhibiting thorns.

#### DETAILED DESCRIPTION OF THE VARIETY

The following is a description of 'POULht002', as observed in its growth in a field nursery in Jackson County, Oregon. Observed plants are 3 years of age and were grown on *Rosa multiflora* understock. Color references are made using the Royal Horticultural Society (London, England) Colour Chart, 1995, except where common terms of color are used.

For a comparison, several physical characteristics of the most similar rose variety we are aware of, 'Hombre', described and illustrated in U.S. Plant Patent serial no. 5,552 issued 10 September, 1985, are compared to 'POULht002' in Chart 1.

# CHART 1

	'POULht002'	'Hombre'
Petal color as sepals first divide	Yellow-Orange Group 22B with intonations of Red Group 47A	Orange Group 25D
General tonality	On open flower White Group 155A with intonations of Yellow Group 5A and Red Group 53B to 53C	Hues vary. White or near white with a pinkish cast, approaching 36D, to near white with slight orange cast, approaching 27D
Thorn color	Greyed-Red Group 181A	Near Yellow-Green Group 144B

## FLOWER AND FLOWER BUD

**Blooming habit:** Continuous.

**Flower bud:**

Size: Upon opening, 33 mm in length from  
base of receptacle to end of bud.  
Bud diameter is 23 mm.

Bud form: Broad-based pointed ovoid.

Bud color: As sepals unfold, petals are  
Yellow-Orange Group 22B with

intonations of Red Group 47A.

Sepals:

Upper Surface:

Color: Yellow-Green Group 144B.

5 Surface: Moderately pubescent with stipitate glands present in medium quantity.

Lower Surface:

Color: Yellow-Green Group 144B.

10 Anthocyanic pigments the color of Greyed-Purple Group 183A observed.

Sepal Shape: Sepal apex is cirrhose. Base is flat at union with receptacle.

15

Sepal Margin:

Margins have weak foliaceous appendages on three of the five sepals.

20

Size: 35 mm (l) x 14 mm (w).

Receptacle:

Surface: Smooth and glabrous.

Shape: Funnel to urn-shaped.

Size: 9 mm (h) x 11 mm (w).

25

Color: Yellow-Green Group 144A.

Anthocyanic pigments the color  
of Greyed-Purple Group 183A  
observed.

Peduncle:

5                      Surface: Smooth and glabrous.  
Length: 50 to 60 mm.  
Width: 4 mm.  
Color: Yellow-Green Group 144A.  
10                      Anthocyanic pigments the  
color of Greyed-Purple Group  
183A.  
Strength: Strong.

Borne: Singularly.

15                      Flower bloom:

Fragrance: Moderate to strong rose  
scent.

20                      Duration: The blooms have a duration  
on the plant of  
approximately 10 to 14  
days. Petals fall cleanly  
away from plant after  
flowers fully mature.

25                      Size: Flower diameter is 130 mm



when open. Flower depth  
is 50 mm.

Form:

Flowers are initially high  
centerd with petals  
tightly closed. AS  
flowers mature, the petals  
reflex outward.

Shape of flower when viewed from the side:

Upon opening, upper part: Flat.

Upon opening, lower part: Flattened  
Convex.

Open flower, upper part: Flattened  
Convex.

Open flower, lower part: Deeply Concave.

Petalage:

On average 40 petals under  
normal conditions with 9  
petaloids.

Color:

Upon opening, petals:

Outermost petals:

Outer side: White Group 155B at marginal  
zone with light intonations of  
Red-Purple Group 53A at petal  
edges, Yellow Group 5D at

middle zone and Yellow Group  
5C at basal zone.

5

Inner Side: Yellow-Orange Group 19D with  
intonations of Red Group 53B  
at petal margins and Yellow  
Group 5D at petal margins and  
basal zone.

Innermost petals:

10

Outer side: White Group 155B at marginal  
zone with light intonations of  
Red-Purple Group 53A at petal  
edges, Yellow Group 5D at  
middle zone and Yellow Group  
5C at basal zone.

15

Inner Side: Yellow-Orange Group 19D with  
intonations of Red Group 53B  
at petal margins and Yellow  
Group 5D at petal margins and  
basal zone.

20

Upon opening, basal petal spots:

Outermost petals:

Outer side: NONE.

Inner Side: Yellow Group 5A.

Innermost petals:

25

Outer side: NONE.

Inner Side: Yellow Group 5A.

After opening, petals:

Outermost petals:

5

Outer side: White Group 155B at marginal zone with light intonations of Red-Purple Group 53A at petal edges, Yellow Group 5D at middle zone and Yellow Group 5C at basal zone.

10

Inner Side: Yellow-Orange Group 19D with intonations of Red Group 53B at petal margins and Yellow Group 5D at petal margins and basal zone.

15

Innermost petals:

20

Outer side: White Group 155B at marginal zone with light intonations of Red-Purple Group 53A at petal edges, Yellow Group 5D at middle zone and Yellow Group 5C at basal zone.

25

Inner Side: Yellow-Orange Group 19D with intonations of Red Group 53B at petal margins and Yellow Group 5D at petal margins and

basal zone.

After opening, basal petal spots:

Outermost petals:

Outer side: NONE.

5 Inner Side: Yellow Group 5A.

Innermost petals:

Outer side: NONE.

Inner Side: Yellow Group 5A.

10 **General Tonality:** On open flower White Group 155A  
with intonations of Yellow Group 5A  
and Red Group 53B to 53C. No change  
in the general tonality at the end  
of the 10<sup>th</sup> day.

15 **Petals:**

Petal Reflex: Somewhat reflexed.

Margin: Entire and uniform. Medium  
undulations of margin observed.

Shape: Apex: Round

20 Base: Acute

Size: 66 mm (l) x 65 mm (w).

Texture: Smooth.

Thickness: Thick.

Arrangement: Not Formal.

25 **Petaloids:**

Quantity: 8 to 15.  
Color: Yellow Group 5D.  
Shape: Apex is rounded. Base is acute.  
Size: 55 mm (l) x 23 mm (w).

5

**Reproductive Organs:**

Pistils:

Length: 9 mm.  
Quantity: 100 (actual count).

10

Pollen: None observed.

Anthers:

Size: 2 mm long.  
Color: Yellow-Orange Group 17A.  
Quantity: 100 (actual count).

15

Filaments:

Color: Yellow-Orange Group 17A.  
Length: 5 mm.

Stigmas: Superior in location to the  
height of the anthers.

20

Color: Yellow-Green Group 154D.

Styles:

Color: Yellow-Green Group 154D.

Hips: None Observed in the field  
nursery in Jackson County  
Oregon.

25

## PLANT

**Plant growth:** Moderate, upright to bushy. When grown  
5 as a budded field grown plant on Rosa  
multiflora understock, the average  
height of the plant is 60 to 75 cm and  
the average width is 60 cm.

### **Stems:**

10 Color:

Young wood: Yellow-Green Group 144A.

Anthocyanin: Greyed-Red Group 181A in  
new shoots.

Older wood: Yellow-Green Group 144A.

15

### Surface Texture:

Young wood: Smooth.

Older wood: Smooth.

### **Thorns:**

20 Incidence: 12 thorns per 10 cm of  
stem.

Size: Average length: 8 mm.

Color: Greyed-Red Group 181A.

Shape: Deeply concave.

25

**Plant foliage:** Normal number of leaflets on normal  
leaves in middle of the stem: 5  
leaflets.

Compound Leaf size: 195 mm (l) x 130 mm  
(w).

Color:

Mature Foliage:

Upper surface: Yellow-Green Group  
147A.

Lower surface: Yellow-Green Group  
146C.

Juvenile foliage:

Upper surface: Greyed-Purple Group  
187A.

Lower surface: Greyed-Purple Group  
187A.

Anthocyanin:

Location: New shoots and leaves.

Color: Greyed-Purple Group 187A  
to Greyed-Purple Group  
183A.

**Plant leaves and leaflets:**

Stipules:

Size: 30 mm in length.





undersides.

Leaflet:

	Edge:	Finely serrated.
5	Size:	70 mm (l) by 40 mm (w).
	Shape:	Generally ovate. Base is round. Apex is cuspidate.
	Texture:	Smooth.
	Thickness:	Thick.
10	Arrangement:	Odd pinnate.
	Venation:	Reticulate.
	Glossiness:	Very Glossy.

**Disease resistance:**

15        Above average resistance to mildew, rust, black spot, and Botrytis under normal growing conditions in Jackson County, Oregon.

**Cold Hardiness:**

20        The variety 'POULht002' has been found to be cold tolerant to USDA Cold Hardiness Zone 6.